

CLAIMS:

1. A brushing attachment for an electric toothbrush,
comprising:

5 a neck extending in a longitudinal direction of the
brushing attachment,

a head at a remote end of the neck,

a driveshaft extending in a longitudinal direction of
the neck and having a rotation axis extending in the
10 longitudinal direction,

a tuft block mounted to the head for oscillation
about a pivot axis extending substantially normally to the
rotation axis of the driveshaft,

a cam attached to or formed integrally with the
15 driveshaft and providing a cam surface surrounding the
longitudinal axis and being of varied displacement in the
longitudinal direction, and

a cam follower associated mechanically with the tuft
block and bearing against the cam surface to effect
20 pivotal oscillation of the tuft block about the pivot axis.

2. The brushing attachment of Claim 1, wherein the head
comprises a fixed pin on which the tuft block is mounted.

25 3. The brushing attachment of Claim 1 wherein the cam
follower comprises a lever that pivots about an axis that
extends across and in a direction substantially normally
to the rotation axis of the driveshaft.

4. The brushing attachment of Claim 3 further comprising
a connecting rod attached at one end to the cam follower
and at its other end to the tuft block that a position
5 offset radially from the tuft block pivot axis.

5. The brushing attachment of Claim 4 further comprising
one or more seals between the connecting rod and the neck.

10 6. The brushing attachment of Claim 1 wherein the cam
extends to the head and interacts directly with the tuft
block.

7. The brushing attachment of Claim 6 wherein the cam
15 follower is attached to or formed integrally with the tuft
block.

8. The brushing attachment of Claim 7 wherein the cam
follower is parallel to and spaced from the pivot axis of
20 the tuft block.

9. The brushing attachment of Claim 7 further comprising
a seal between the shaft and the neck.

25 10. An electric toothbrush having the brushing attachment
of any one of the preceding claims attached thereto or
formed integrally therewith.